

MATH · Y2–Y6

Measurement

Knowledge Organiser — Y2–Y6

Units and conversions

Imperial and metric

- LENGTH: 10mm = 1cm 100cm = 1m 1000m = 1km
- MASS: 1000g = 1kg 1000kg = 1 tonne
- CAPACITY: 10ml = 1cl 100cl = 1 litre 1000ml = 1 litre
- TIME: 60 seconds = 1 minute 60 minutes = 1 hour 24 hours = 1 day
- 7 days = 1 week 52 weeks ≈ 1 year 365 days = 1 year (366 in a leap year)
- ROUGH IMPERIAL: 1 inch ≈ 2.5cm 1 foot ≈ 30cm 1 mile ≈ 1.6km
- 1 pound (lb) ≈ 450g 1 pint ≈ 568ml
- TEMPERATURE: water freezes at 0°C, boils at 100°C. Body temp ≈ 37°C.

Inverting units

The method

- SMALLER to LARGER unit: DIVIDE
- e.g. 3500m → km: $3500 \div 1000 = 3.5\text{km}$
- LARGER to SMALLER unit: MULTIPLY
- e.g. 4.2kg → g: $4.2 \times 1000 = 4200\text{g}$



- REMEMBER: always check your answer makes sense. 4200g is the same as 4.2kg ✓
- AREA: cm^2 and m^2 . $1\text{m}^2 = 10,000\text{cm}^2$ (100×100)
- PERIMETER: total distance around the outside of a shape
- AREA: the space inside a shape. Rectangle = length \times width

